

DIGITAL IMAGE TRANSMISSION WITH COMPRESSION AND DECOMPRESSION

Abstract of the Disclosure

A method and system for transmitting a digital image (i.e., an array of pixels) from a digital image source to a digital image receiver. The array of pixels is converted into Image Line Bit Patterns by Frame Decomposition. Then each Image line Bit Pattern independently transformed into a corresponding Bit Mask Indicator by Image Line Encoding, followed by generation of a bit stream that includes Bit Stream Header Information and the Bit Mask Indicators. The Bit Stream Header Information includes Constant Digital Image Data. The bit stream is transmitted over a data path to the digital image receiver where the Bit Mask Indicators in the bit stream are parsed and the Bit Mask Indicators are translated into corresponding Image Line Bit Patterns. Then the digital image is restored from the Image Line Bit Patterns by Frame Recreation.